

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>Western Coating Company</b>		EMERGENCY TELEPHONE NO. <b>(213)283-9331</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>794 W. Santa Anita St., San Gabriel, Ca. 91778</b>		
CHEMICAL NAME AND SYNONYMS <b>Ethylcellulose (Type I) coatings</b>	TRADE NAME AND SYNONYMS <b>WESTCOAT #80</b>	
CHEMICAL FAMILY <b>Organic</b>	FORMULA <b>Mixture of organic compounds</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

  

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
<b>100% Solid Hot Melt Coating based on Ethyl Cellulose, high quality mineral oil, waxes and suitable plasticizers.</b>		

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H <sub>2</sub> O=1)	<b>.88</b>
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (----- =1)	
SOLUBILITY IN WATER	<b>Insoluble</b>		
APPEARANCE AND ODOR <b>Block form, similar to wax with oil odor</b>			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	<b>380° F. COC</b>	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	<b>Same as for oil</b>			
SPECIAL FIRE FIGHTING PROCEDURES	<b>Same as any oil fire.</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS				

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

None

EFFECTS OF OVEREXPOSURE

None

EMERGENCY AND FIRST AID PROCEDURES

Material is a hot melt operated @ 350° F. and if bare skin comes in contact treat as a first degree oil burn.

## SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

INCOMPATIBILITY *Materials to avoid*

HAZARDOUS DECOMPOSITION PRODUCTS

None - same as burning oil.

HAZARDOUS  
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

None - supplied in solid blocks.

WASTE DISPOSAL METHOD

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*

VENTILATION

LOCAL EXHAUST

If need to remove oil fumes.

SPECIAL

MECHANICAL *(General)*

OTHER

PROTECTIVE GLOVES Use cotton gloves while dipping to avoid burns.

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

None

OTHER PRECAUTIONS

Periodically check the operating temperature of the melting pot.

*DPM 5497*  
*Coating, Protective, Thermoplastic*  
**WESTERN COATING COMPANY**

P. O. BOX 549  
794 WEST SANTA ANITA STREET  
SAN GABRIEL, CALIFORNIA 91778

(AREA 213)  
283-9331

EASTERN PLANT  
ROYAL OAK, MICH.

April 15, 1977

Mr. M. J. Veneroso, Dept. C1-726 (52-11)  
Materials Handling & Packaging Engineering  
Douglas Aircraft Company  
3855 Lakewood Blvd.  
Long Beach, Ca. 90846

Dear Mr. Veneroso:

*LTR #173*  
In answer to your letter of March 23rd requesting information as to whether our WESTCOAT #80 is a regulated or restricted article for surface or air transport, this is to state that it is NOT.

We are enclosing a data sheet and an OSHA Material Safety Data Sheet, as requested.

However, we wish to point out that we were not the successful bidder for the current year's annual contract for the Hot Dip Tool Coating Material. Therefore, please be certain that this data is not applied to some other company's product, whose specifications are undoubtedly different than ours.

If we can be of further service to you, please do not hesitate to call upon us.

Sincerely yours,

WESTERN COATING COMPANY



L. B. Reynolds

LBR/hs  
Encls.

# WESTERN COATING CO.

P. O. BOX 598

OAKRIDGE STATION

ROYAL OAK, MICHIGAN 48073

Area Code 313  
JUniper 8-3311

## CRYSTAL CLEAR NO. 80

EXPLANATION: This material is a Type I, Ethylcellulose based plastic. It is composed of Ethylcellulose, mineral oil, and various plasticizers. It has no solvents or harmful ingredients.

COLOR: Transparent, water white

DENSITY: 7.3 lbs/gal [.88 gm/ml]

VISCOSITY AT 350° F [177°C]: 1900 CPS  
Brookfield RVF Spindle 4-20 RPM

OPERATING TEMPERATURE °F [°C]: 350-360°F [117°-182° C]

COATING THICKNESS: .05 in [1.27mm]

FLASH POINT COC °F [°C]: 380° F [193° C]

FIRE POINT COC °F [°C]: 415° F [213° C]

SOFTENING POINT ° F [°C]; 187° F [86° C]  
Ring & Ball

COOLING TIME: 50 sec

HARDNESS SHORE A: 35

TENSILE STRENGTH: 404 PSI [28.4 kg/sq cm]  
Instron 1130

ELONGATION: 83%  
Instron 1130

ELECTRICAL RESISTANCE: EXCELLENT  
Meg Check

MOISTURE RESISTANCE: EXCELLENT

CHEMICAL RESISTANCE: Attacked by solvents and strong acids

AVAILABLE COLORS: Clear, Red, Blue, Green, Purple

USES: Used for tool crib storage and coating small parts for shipment.  
Softer than Type II materials - used where transparency is necessary.